



Department of Energy

Ohio Field Office
Fernald Area Office

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JUN 14 2000

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0759-00

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF MAY 1, 2000
THROUGH MAY 31, 2000**

This letter transmits the amended Consent Agreement Monthly Report for the period of May 1, 2000, through May 31, 2000. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

FEMP:Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

Enclosure

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosure:

N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
T. Hagen, Fluor Fernald, Inc./65-2
M. Jewett, Fluor Fernald, Inc./52-2
T. Walsh, Fluor Fernald, Inc./65-2
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./2
J. Harmon, Fluor Fernald, Inc./90
S. Hinnefeld, Fluor Fernald, Inc./31
B. Irvine, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

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STUDY/CONSENT DECREE MONTHLY REPORT MAY 1, 2000 THROUGH MAY 31, 2000**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from May 1, 2000 through May 31, 2000. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

May 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Processed 14,837 tons of material from waste pits, shipped 120 railcars of material for disposal at Envirocare
 - Completed Dryer Stack Performance Test, May 17-18, 2000

June 2000 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Process 15,075 tons of material from waste pits, ship 120 railcars of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND EXCAVATION PROJECT
Additional OU2 soils-related activities reported under OU5/Soils Characterization and Excavation Project

May 2000

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued OSDF operations and placement activities, placing impacted material in Cells 1, 2, and 3
 - Completed Certified for Construction (CFC) design package for OSDF Phase III and revisions to the related OSDF Support Plans

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- Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Transmitted Revised Certification Report to DOE on May 8, 2000
 - Stabilized remaining 4.2 cubic yards of lead contaminated soil from the Trap Range on May 22, 2000
 - Area 2, Phase I
 - Continued excavating/hauling asbestos contaminated soil in South Field
 - Area 2, Phase III
 - Completed excavation of Radium Hot Spot on May 16, 2000
 - Transmitted Final A2, PIII Certification Design Letter to DOE on May 15, 2000
 - Other Areas
 - Transmitted Draft Project Specific Plan (PSP) for Sampling Area 3A Miscellaneous Stockpiles for On-site Disposal Facility Waste Acceptance Criteria Attainment to DOE on May 23, 2000
 - Initiated remediation of Soil Stockpile 3 (SP3) on May 17, 2000, based on conditional approval of WAC Attainment Report
 - Transmitted Final Waste Acceptance Criteria Attainment Report for Soil Stockpile 3 to DOE on May 30, 2000
- Public Use of FEMP
 - Conducted Public Workshop on May 24, 2000

June 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue placement of impacted material in Cells 1, 2, & 3
 - Construct 3 foot thick layer of select material in Cell 1 cap and begin screening for Cell 1 clay liner cap
 - Soil Characterization and Excavation Project (SCEP)
 - Area 2, Phase III
 - Continue certification activities
 - Transmit Waste Acceptance Criteria (WAC) Report to Agencies
 - Final Land Use
 - Prepare for second public workshop

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OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

May 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Continued asbestos abatement, interior transite removal and equipment removal in Plant 5 Complex
 - Continued D&D activities in the Plant 6 area
 - Continued development of the Implementation Plan, RFP, and Project Specifications for the Multi-Complex D&D Project
 - Removed concrete wall and installed new sidewalk near Picnic Area and relocated satellite dish from Building 28A
 - Isolated and prepared T-85 for relocation

June 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Continue with asbestos abatement and structural demolition in Plant 5 area
 - Continue interior equipment removal and dismantlement in Maintenance Shop area of Plant 6
 - Isolate and relocate utilities in Buildings 28 A & B
 - Continue D & D planning activities in the Multi-Complex Project

OPERABLE UNIT 4 - SILOS PROJECT

May 2000

- Enforceable Milestones
 - Submitted the Remedial Design Package for the Silo 3 Project to the Agencies for review and approval on May 17, 2000, meeting the milestone date of June 1, 2000
- Major Work Initiated/Continued/Completed
 - Received Agency approval of the Site Preparation Package for the Silos 1 and 2 Accelerated Waste Retrieval (AWR) Project. Mobilized the contractor for Site Preparation Construction Activities
 - Received Agency approval of the Silo 3 Project Site Preparation Package
 - Conducted a Public Hearing on the Revised Proposed Plan for Silos 1 and 2 for Nevada Test Site stakeholders

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- Closed public comment period for the Revised Proposed Plan for Silos 1 and 2 on May 18, 2000; drafted the Record of Decision (ROD) Amendment and Responsiveness Summary addressing all comments

June 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Submit the Remedial Design Package for Silos 1 and 2 AWR Project to the Agencies for review and approval; conduct a briefing on the package for the Agencies
 - Mobilize the Silo 3 contractor for site preparation construction activities
 - Continue site preparation construction for the AWR project
 - Conduct a meeting to review the draft Silo 1 and 2 ROD Amendment and Responsiveness Summary between the Agencies, DOE and Fluor Fernald and submit the Draft ROD Amendment to the Agencies for review

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

May 2000

- Enforceable Milestones
 - Submitted April NPDES Discharge Monitoring Report to the OEPA on May 15, 2000
 - Submitted the Noncompliance Report for April to the OEPA on May 11, 2000
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Submitted the December 1999 Operating Report for the Re-Injection Demonstration on May 5, 2000 to DOE for transmittal to the Agencies; DOE transmitted to the Agencies on May 10, 2000
 - Submitted the January 2000 operating Report for the Re-Injection Demonstration on May 30, 2000 to DOE for transmittal to the Agencies
 - Submitted the Conceptual Design Report for Aquifer Restoration in the Waste Storage Area and Plant 6 Area to DOE on May 22, 2000
 - Completed Pre-design Geoprobings in the Waste Storage Area (in support of the Conceptual Design Report)
 - Issued the Notice of Award for the OSDF Enhanced Permanent Leachate Transmission System Project on May 2, 2000 to the Staver Group. Issued the Notice to Proceed on May 8, 2000

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- Completed the 90% Design Review Package for the ARASA Basin Reroute Project on May 16, 2000
- Submitted two groundwater modeling reports to DOE on May 25, 2000 for transmittal to the Agencies; DOE transmitted to the Agencies on May 30, 2000
 - Great Miami River Aquifer VAM3D Flow Model Re-Calibration
 - Integration of Data Fusion Modeling (DFM) with VAM3DF Contaminant Transport Code Report
- Submitted the Draft Final Re-Injection Demonstration Test Report to DOE the week of May 26, 2000 for transmittal to the Agencies and other DOE offices. DOE transmitted the report to the Agencies and other DOE offices on May 30, 2000

June 2000 (Anticipated)

- Enforceable Milestones
 - Submit the May NPDES Discharge Monitoring Report to the OEPA
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
 - Submit the monthly 1999 Operating Report for the Re-injection Demonstration to DOE for transmittal to the Agencies
 - ARASA Basin Reroute Design Package to be certified for construction by June 8, 2000
 - Complete Hydropure panel Replacement Project at AWWT Control Room by June 15, 2000

WASTE MANAGEMENT

May 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Wastewater Treatment Project
 - Completing further characterization/sampling pertaining to 27, 55-gallon containers decanted from 4 type-300 containers
 - Thorium Legacy Waste Project (TLWP)
 - Completed the Management Assessment and Standard Startup Review pertaining to shipping of the thoria gel. No discrepancies or new issues having been identified, thoria gel shipments began on May 18, 2000. Six of the twenty-nine shipments to the Nevada Test Site are completed
 - Completed review of forty-eight operations tapes for the thorium project

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- Completed inventory and characterization reassessment for movement of 18 boxes of thorium residues
- Performed 24 Real Time Radiographies (RTR); 17 for thoria gel and 7 for super thorium profiles residues
- Completed RTR on 104 of 145 thoria gel boxes
- Issued letter to OEPA regarding recharacterized thoria gel
- Liquid Mixed Waste (Bulking) Project
 - Continued the delay of DOE tanker trailer, pending receipt of additional inspection information from TSCA Incinerator (TSCAI), regarding Batch 9
 - Continued discussions between TSCAI, DOE and State of Tennessee regarding the schedule for initiation of Batch 9 shipments
 - Transferred methanol waste to the Batch 10 consolidation tank on May 11, 2000
- Hazardous Waste Project
 - Shipped 24 skids of lead acid batteries to American Compressed Steel in Cincinnati, Ohio for recycling
 - Finalized shipping classification and packaging classification of intact fluorescent lamps and nickel-cadmium batteries
- Mixed Waste Shipping
 - Continued DOT container review of radiological characterization information pertaining to 143 containers of below-LDR MW for shipment to Envirocare
- Organic Treatment Project
 - Continued discussions regarding the absorbent determination requirements for TOC boxes with Waste Characterization
 - Compiling a package for Technical Review Board review of TOC boxes or 85-gallon drums for OTP first article waste
- Waste Minimization/Pollution Prevention
 - Received notification that Fernald and Oak Ridge won the "Closing the Circle Award" for the Copper Windings Recycling Project

June 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Mixed Waste Shipping
 - Ship 143 drums upon completion of additional sampling analysis and completion submittal and approval of profile by Envirocare
 - Liquid Mixed Waste (Bulking) Project
 - Resume Batch 9 shipments to the TSCA Incinerator
 - Continue bulking of Batch 10
 - Upon completion of Batch 7 consolidation tank decontamination, initiate dismantling of tank

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- Thorium Legacy Waste Project
 - Continue inventory and characterization reassessment for boxes of thorium residues and thoria gel
 - Begin development of expression of interest for Thorium treatment
 - Continue to address DNFSB comments on the Thorium Management Plan
- Organic Treatment Project
 - Continue to finalize absorbent determinations
 - Prepare shipping recommendation for preliminary TRB review
 - Revise RTR Report for First Article Testing